

CODE ANALYSIS

| APPLICABLE CODES | | | |
|-------------------------------|------|--------------------------|---------------------|
| | Year | Year | |
| International Building Code | 2007 | National Electrical Code | NA |
| International Mechanical Code | 2007 | Uniform Code for | |
| International Plumbing Code | 2007 | Building Conservation | |
| International Fire Code | NA | ADA Accessibility | |
| International Energy | | Guidelines | ICC/ANSI 117.1 1998 |
| Conservation Code | NA | | |

A. Area and Occupancy: EXIST. BLDG. B

Change in Use: Yes No ☒ Mixed Occupancy: Yes No ☒
Special Use and Occupancy (e.g. High Rise, Covered Mall):

B. Seismic Design Category: Design Wind Speed: mph

C. Type of Construction (circle one):

I
A

II
B

III
A

III
B

IV
HT

V
A

V
B

D. Fire Resistance Rating Requirements for the Exterior Walls based on the fire separation distance (in hours):
North: South: East: West:

E. Mixed Occupancies: Nonseparated Uses:

F. Sprinklers:
Required: Provided: Type of Sprinkler System:

G. Number of Stories: 1 Building Height: 18'

H. Actual Area per Floor (square feet): EXISTING: 18,906 SF

I. Tabular Area: NA

J. Area Modifications:

a) $A_a = A_t + \left[\frac{A_t I_t}{100} \right] + \left[\frac{A_t I_s}{100} \right]$ $I_t = 100 \left[\frac{F}{P} - 0.25 \right] \frac{W}{30}$

b) Sum of the Ratio Calculations for Mixed Occupancies:
 $\frac{\text{Actual Area}}{\text{Allowable Area}} \leq 1$

c) Total Allowable Area for:
1) One Story: 19,000 SF
2) Two Story: A_a(2)
3) Three Story: A_a(3)

d) Unlimited Area Building: Yes No ☒ Code Section:

K. Fire Resistance Rating Requirements for Building Elements (hours).
N/A

L. Design Occupant Load: N/A
Exit Width Required: N/A Exit Width Provided: N/A

M. Minimum Number of Required Plumbing Facilities:

a) Water Closets - Required (m) (f) Provided (m) (f)
b) Lavatories - Required (m) (f) Provided (m) (f)
c) Bath Tubs or Showers:
d) Drinking Fountains: Service Sinks:

FOOTNOTES:

- 1) In case of conflict with the U.S. Department of Justice Federal Registers Parts I through V - ADA Guidelines and specific reference to the International Building Code Accessibility Chapters, the more restrictive requirement shall govern.
- 2) Additional Code Information shall be provided at the discretion of the Building Official for Complex Buildings. Including, but not limited to:
 - a) High Rise Requirements.
 - b) Atriums.
 - c) Performance Based Criteria.
 - d) Means or Egress Analysis.
 - e) Fire Assembly Locator Sheet.
 - f) Exterior and Interior Accessibility Route.
 - g) Fire Stopping, Including Tested Design Number.

HARRIS BUILDING

All Roofing material manufacturers are required to meet or exceed the manufacturing UL assembly # as outlined in the Underwriters Laboratories, Inc. Roofing Materials and Systems Directory Book

STEVENS ROOFING SYSTEM, DIV OF JPS ELASTOMERICS, CORP.
9 Sullivan Road
Holyoke, MA 01040

UL R10321
Class A Mechanically Fastened Stevens "EP" Single Ply membrane systems
over 1/4" Dens Deck Prime over existing plywood roof deck.



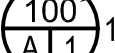

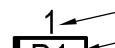



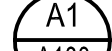
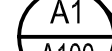




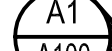
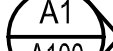

SARNAFIL INC. 100 Dan Road, Canton, MA 02021

UL R8992
Class A, Mechanically Fastened PVC Membrane over 1/4"
Dens Deck Prime over existing plywood roof deck.

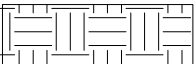



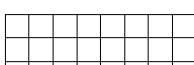
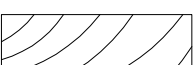




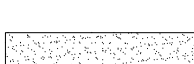

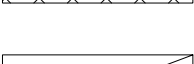
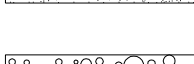
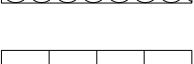


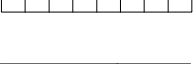
Please note: All Other manufacturers will be reviewed for approval prior to bid. All UL manufacturer assembly criteria must be provided to the architect or owner for review and approval prior to bidding.

[illegible][illegible]

SYMBOL LEGEND

| | |
|---|---|
|  ROOM NAME | ROOM NUMBER 1ST DIGIT INDICATES FLOOR |
|  DOOR NUMBER HARDWARE GROUP | DOOR NUMBER HARDWARE GROUP |
|  DOOR SYMBOL DOOR TYPE | FRAME NUMBER DOOR TYPE |
|  NORTH WALL FINISH BASE FINISH | NORTH WALL FINISH BASE FINISH |
|  FINISH SYMBOL | FLOOR FINISH |
|  T.O. ELEV. = | ELEVATION MARKER |
|  MATCH LINE | LINE MATCH SYMBOL |
|  AREA 1 AREA 2 | AREA 1 AREA 2 |
|  A1 A100 | DETAIL REFERENCE |
|  A1 A100 | EXTERIOR ELEVATION |
|  A1 A100 | GLAZING TYPE |
|  A1 A100 | INT. ELEVATION SYMBOL |
|  A1 A100 | WINDOW NUMBER |
|  A1 A100 | SPOT ELEVATION MARKER |
|  A1 A100 | BUILDING SECTION |
|  A1 A100 | WALL SECTION |
|  A1 A100 | WALL TYPE |

GRAPHIC SYMBOLS

| | | | | | |
|---|----------------------------|---|------------------------|---|---------------------|
|  | EARTH |  | STEEL |  | PLYWOOD |
|  | CEMENTITIOUS BACKER BD. |  | RIGID INSULATION |  | WOOD FINISH |
|  | CMU |  | ASPHALT PAVING |  | ALUMINUM |
|  | BRICK |  | DENSGLASS SHEATHING |  | BATT INSULATION |
|  | WOOD BLOCKING |  | GRAVEL |  | CERAMIC TILE |
|  | WOOD FRAMING |  | CONCRETE |  | GYPSUM SHEATHING |

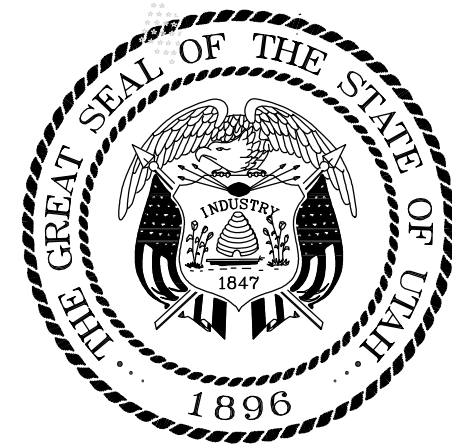
DRAWING INDEX

| GENERAL | |
|----------------------|--|
| GH101 | GENERAL INFORMATION |
| ARCHITECTURAL | |
| AD101 | WEST HARRIS BUILDING DEMOLITION PLAN |
| AD102 | HARRIS BUILDING DEMOLITION PLAN |
| AD103 | EAST HARRIS BUILDING DEMOLITION PLAN |
| AD104 | LOWER WEST & EAST DEMOLITION ROOF PLAN |
| AE101 | WEST BUILDING RE-ROOF PLAN |
| AE102 | HARRIS BUILDING RE-ROOF PLAN |
| AE103 | EAST BUILDING RE-ROOF PLAN |
| AE104 | LOWER WEST AND EAST RE-ROOF PLAN |

NOTE: THE SHEETS LISTED ABOVE REPRESENT A FULL SET OF CONSTRUCTION DOCUMENTS AND INCLUDE A DETAIL BOOK AND A PROJECT MANUAL, AND SHALL NOT BE SEPERATED, ANY CONTRACTOR, SUBCONTRACTOR, VENDOR OR ANY OTHER PERSON PARTICIPATING IN OR BIDDING ON THIS PROJECT SHALL BE RESPONSIBLE FOR REVIEWING ALL THE CONSTRUCTION DOCUMENTS IN THIS SET BUT NOT LIMITED TO DRAWINGS, DETAILS, PROJECT MANUAL, SPECIFICATIONS AND ANY AND ALL ADDENDA ISSUED.

PROJECT TEAM

| | |
|---|--|
| OWNER: State of Utah - Division of Facilities Construction & Management, Mike Ambre 4110 State Office Building Salt Lake City, Utah 84114 phone (801)537-9210 fax (801)538-3267 | ARCHITECT: AXIS ARCHITECTS Alan Turner, AIA 352 South Denver St. Suite 205 Salt Lake City, Utah 84111 phone (801)355-3003 fax (801)355-0113 |
|---|--|



State of Utah-Department of Administrative Services

DIVISION OF FACILITIES CONSTRUCTION AND MANAGEMENT

4110 State Office Building/Salt Lake City, Utah 84114/538-3018

The logo for Southern Utah University (SUU) features the letters "SUU" in a large, bold, serif font. To the right of "SUU", the words "SOUTHERN", "UTAH", and "UNIVERSITY" are stacked vertically in a smaller, all-caps, sans-serif font.

Southern Utah University
351 West University Boulevard
Cedar City, UT 84720
435.586.7700

DFCM PROJECT # 07022730

SU SOUTHERN
UTAH
UNIVERSITY

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Axis Architects

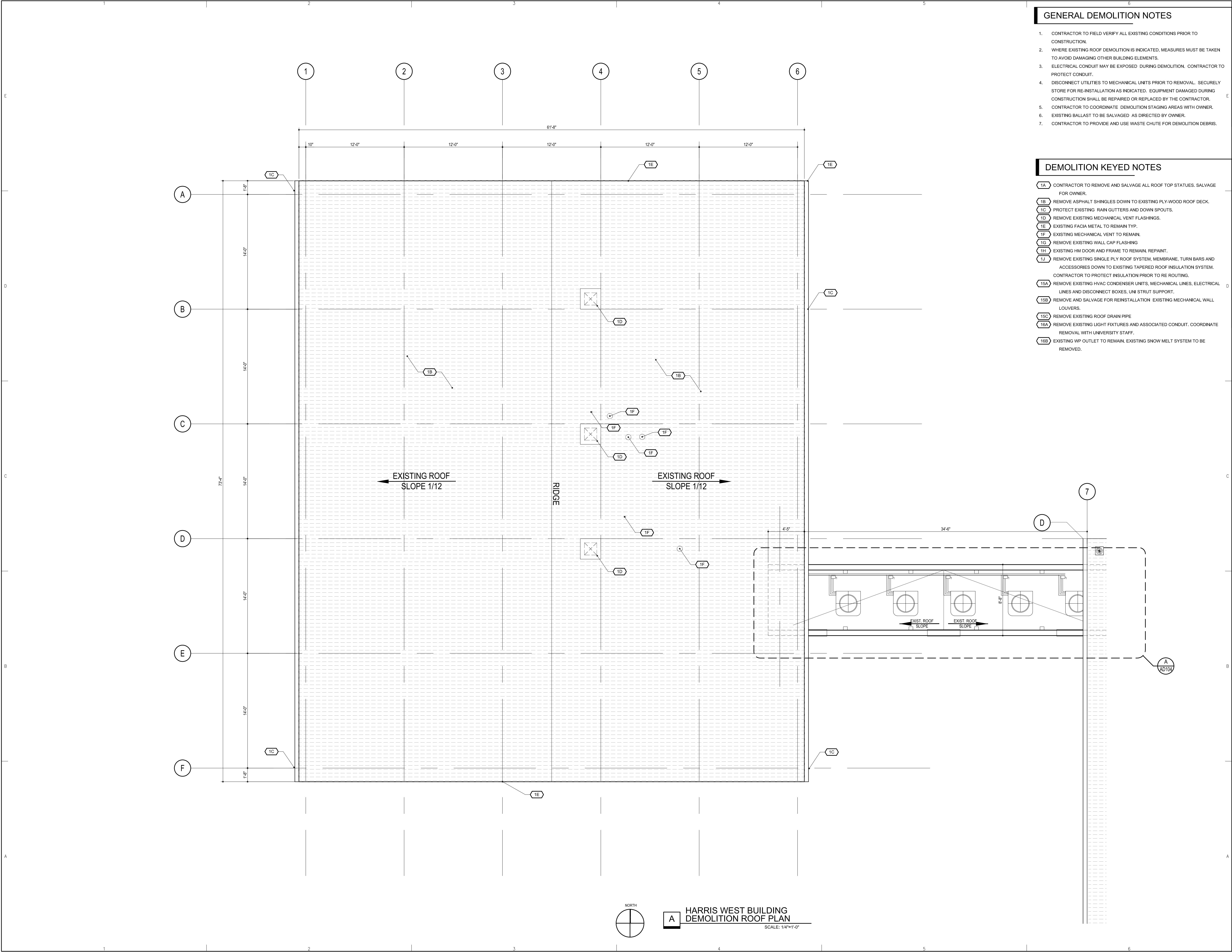
352 South Denver St., Suite 205 Salt Lake City, Utah 84111

Harris Center Re-Roof
Southern Utah University
Cedar City, Utah
Construction Documents

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INFORMATION SHEET

GI101



GENERAL DEMOLITION NOTES

1. CONTRACTOR TO FIELD VERIFY ALL EXISTING CONDITIONS PRIOR TO CONSTRUCTION.
2. WHERE EXISTING ROOF DEMOLITION IS INDICATED, MEASURES MUST BE TAKEN TO AVOID DAMAGING OTHER BUILDING ELEMENTS.
3. ELECTRICAL CONDUIT MAY BE EXPOSED DURING DEMOLITION. CONTRACTOR TO PROTECT CONDUIT.
4. DISCONNECT UTILITIES TO MECHANICAL UNITS PRIOR TO REMOVAL. SECURELY STORE FOR RE-INSTALLATION AS INDICATED. EQUIPMENT DAMAGED DURING CONSTRUCTION SHALL BE REPAIRED OR REPLACED BY THE CONTRACTOR.
5. CONTRACTOR TO COORDINATE DEMOLITION STAGING AREAS WITH OWNER.
6. EXISTING BALLAST TO BE SALVAGED AS DIRECTED BY OWNER.
7. CONTRACTOR TO PROVIDE AND USE WASTE CHUTE FOR DEMOLITION DEBRIS.

DEMOLITION KEYED NOTES

- 1A CONTRACTOR TO REMOVE AND SALVAGE ALL ROOF TOP STATUES. SALVAGE FOR OWNER.
- 1B REMOVE ASPHALT SHINGLES DOWN TO EXISTING PLY-WOOD ROOF DECK.
- 1C PROTECT EXISTING RAIN GUTTERS AND DOWN SPOUTS.
- 1D REMOVE EXISTING MECHANICAL VENT FLASHINGS.
- 1E EXISTING FACIA METAL TO REMAIN TYP.
- 1F EXISTING MECHANICAL VENT TO REMAIN.
- 1G REMOVE EXISTING WALL CAP FLASHING.
- 1H EXISTING HM DOOR AND FRAME TO REMAIN. REPAINT.
- 1J REMOVE EXISTING SINGLE PLY ROOF SYSTEM, MEMBRANE, TURN BARS AND ACCESSORIES DOWN TO EXISTING TAPERED ROOF INSULATION SYSTEM. CONTRACTOR TO PROTECT INSULATION PRIOR TO RE ROUTING.
- 15A REMOVE EXISTING HVAC CONDENSER UNITS, MECHANICAL LINES, ELECTRICAL LINES AND DISCONNECT BOXES. UNI STRUT SUPPORT.
- 15B REMOVE AND SALVAGE FOR REINSTALLATION EXISTING MECHANICAL WALL LOUVERS.
- 15C REMOVE EXISTING ROOF DRAIN PIPE
- 16A REMOVE EXISTING LIGHT FIXTURES AND ASSOCIATED CONDUIT. COORDINATE REMOVAL WITH UNIVERSITY STAFF.
- 16B EXISTING WP OUTLET TO REMAIN. EXISTING SNOW MELT SYSTEM TO BE REMOVED.

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400 State Capitol Building, Salt Lake City, Utah 84111-0000

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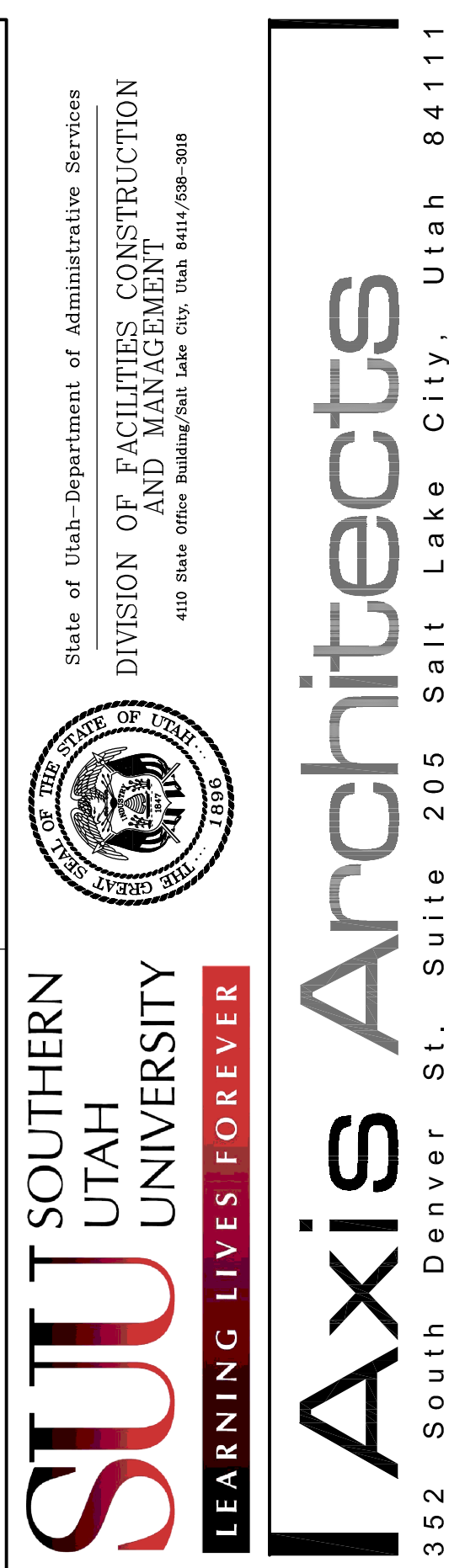
Harris Center Re-Roof
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Axis Job # 0707
Owner # 07022730
Date Drawn AT
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WEST HARRIS BUILDING
DEMOLITION/ROOF PLAN

AD101



Harris Center Re-Roof
Southern Utah University

Cedar City, Utah

Construction Documents

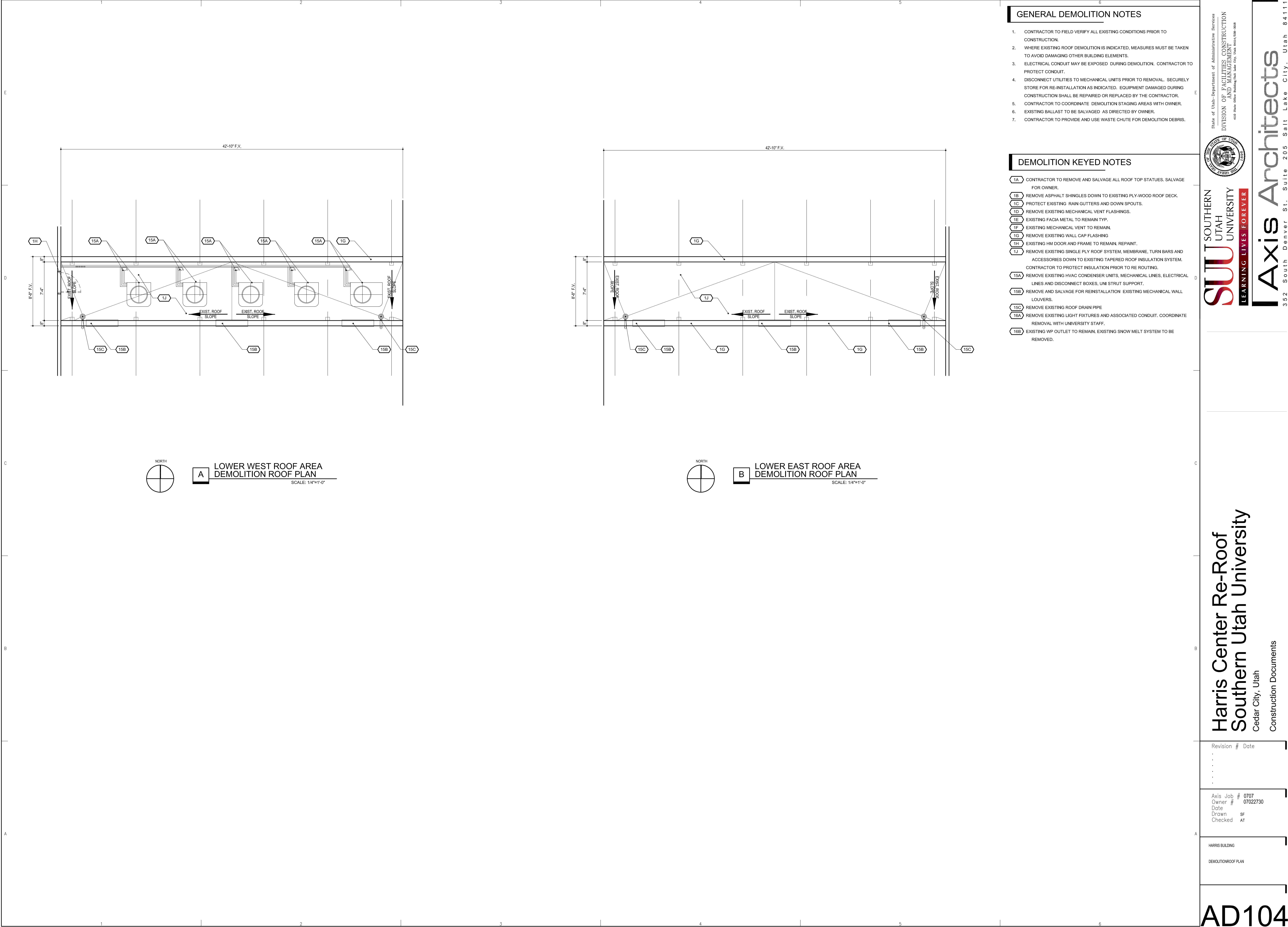
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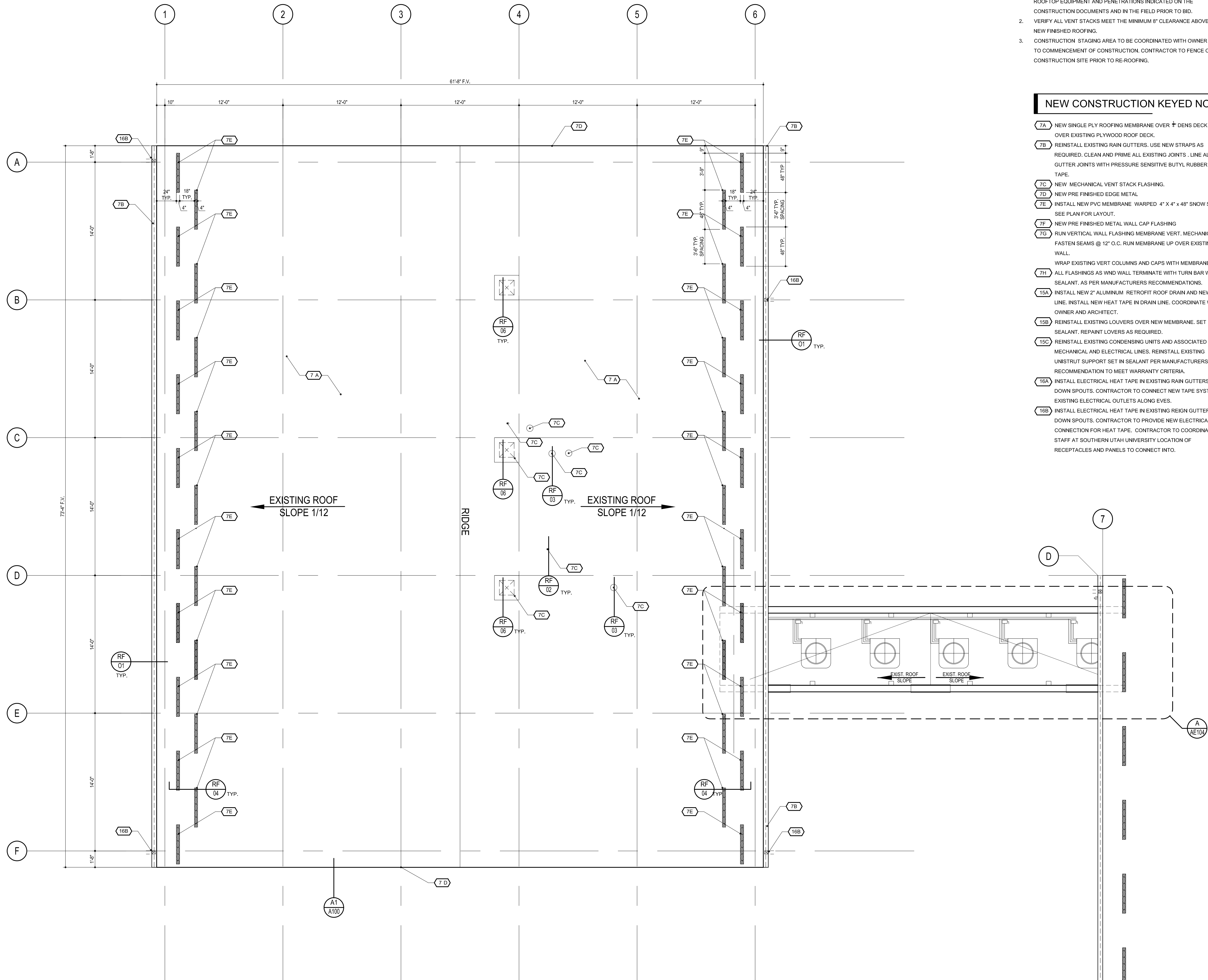
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NEW CONSTRUCTION GENERAL NOTES

- CONTRACTOR SHALL FIELD VERIFY THE SIZE AND LOCATION OF ALL ROOFTOP EQUIPMENT AND PENETRATIONS INDICATED ON THE CONSTRUCTION DOCUMENTS AND IN THE FIELD PRIOR TO BID.
- VERIFY ALL VENT STACKS MEET THE MINIMUM 8" CLEARANCE ABOVE THE NEW FINISHED ROOFING.
- CONSTRUCTION STAGING AREA TO BE COORDINATED WITH OWNER PRIOR TO COMMENCEMENT OF CONSTRUCTION. CONTRACTOR TO FENCE OFF CONSTRUCTION SITE PRIOR TO RE-ROOFING.

NEW CONSTRUCTION KEYED NOTES

- 7A NEW SINGLE PLY ROOFING MEMBRANE OVER 3/8" DENS DECK PRIME. OVER EXISTING PLYWOOD ROOF DECK.
- 7B REINSTALL EXISTING RAIN GUTTERS. USE NEW STRAPS AS REQUIRED. CLEAN AND PRIME ALL EXISTING JOINTS. LINE ALL GUTTER JOINTS WITH PRESSURE SENSITIVE BUTYL RUBBER SEAM TAPE.
- 7C NEW MECHANICAL VENT STACK FLASHING.
- 7D NEW PRE FINISHED EDGE METAL.
- 7E INSTALL NEW PVC MEMBRANE. WARPED 4" X 4" X 48" SNOW STOPS. SEE PLAN FOR LAYOUT.
- 7F NEW PRE FINISHED METAL WALL CAP FLASHING.
- 7G RUN VERTICAL WALL FLASHING MEMBRANE VERT. MECHANICALLY FASTEN SEAMS @ 12" O.C. RUN MEMBRANE UP OVER EXISTING WALL.
- 7H WRAP EXISTING VERT COLUMNS AND CAPS WITH MEMBRANE. TYP.
- 7I ALL FLASHINGS AS WND WALL TERMINATE WITH TURN BAR W/ SEALANT, AS PER MANUFACTURERS RECOMMENDATIONS.
- 15A INSTALL NEW 2" ALUMINUM RETROFIT ROOF DRAIN AND NEW DRAIN LINE. INSTALL NEW HEAT TAPE IN DRAIN LINE. COORDINATE WITH OWNER AND ARCHITECT.
- 15B REINSTALL EXISTING LOUVERS OVER NEW MEMBRANE. SET IN SEALANT. REPAINT LOUVERS AS REQUIRED.
- 15C REINSTALL EXISTING CONDENSING UNITS AND ASSOCIATED MECHANICAL AND ELECTRICAL LINES. REINSTALL EXISTING UNISTRUT SUPPORT SET IN SEALANT PER MANUFACTURERS RECOMMENDATION TO MEET WARRANTY CRITERIA.
- 16A INSTALL ELECTRICAL HEAT TAPE IN EXISTING RAIN GUTTERS AND DOWN SPOUTS. CONTRACTOR TO CONNECT NEW TAPE SYSTEM TO EXISTING ELECTRICAL OUTLETS ALONG EAVES.
- 16B INSTALL ELECTRICAL HEAT TAPE IN EXISTING REIGN GUTTERS AND DOWN SPOUTS. CONTRACTOR TO PROVIDE NEW ELECTRICAL CONNECTION FOR HEAT TAPE. CONTRACTOR TO COORDINATE WITH STAFF AT SOUTHERN UTAH UNIVERSITY LOCATION OF RECEPTACLES AND PANELS TO CONNECT INTO.

State of Utah-Department of Administrative Services
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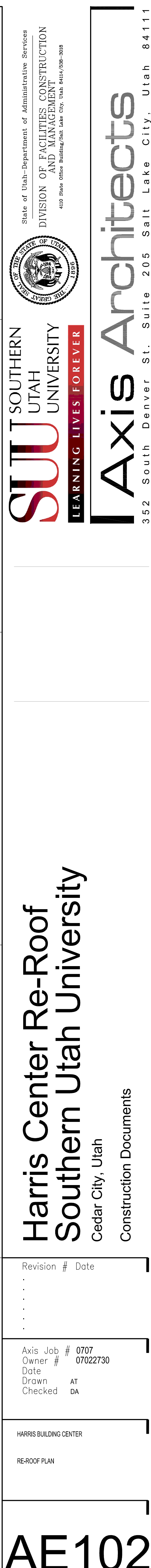
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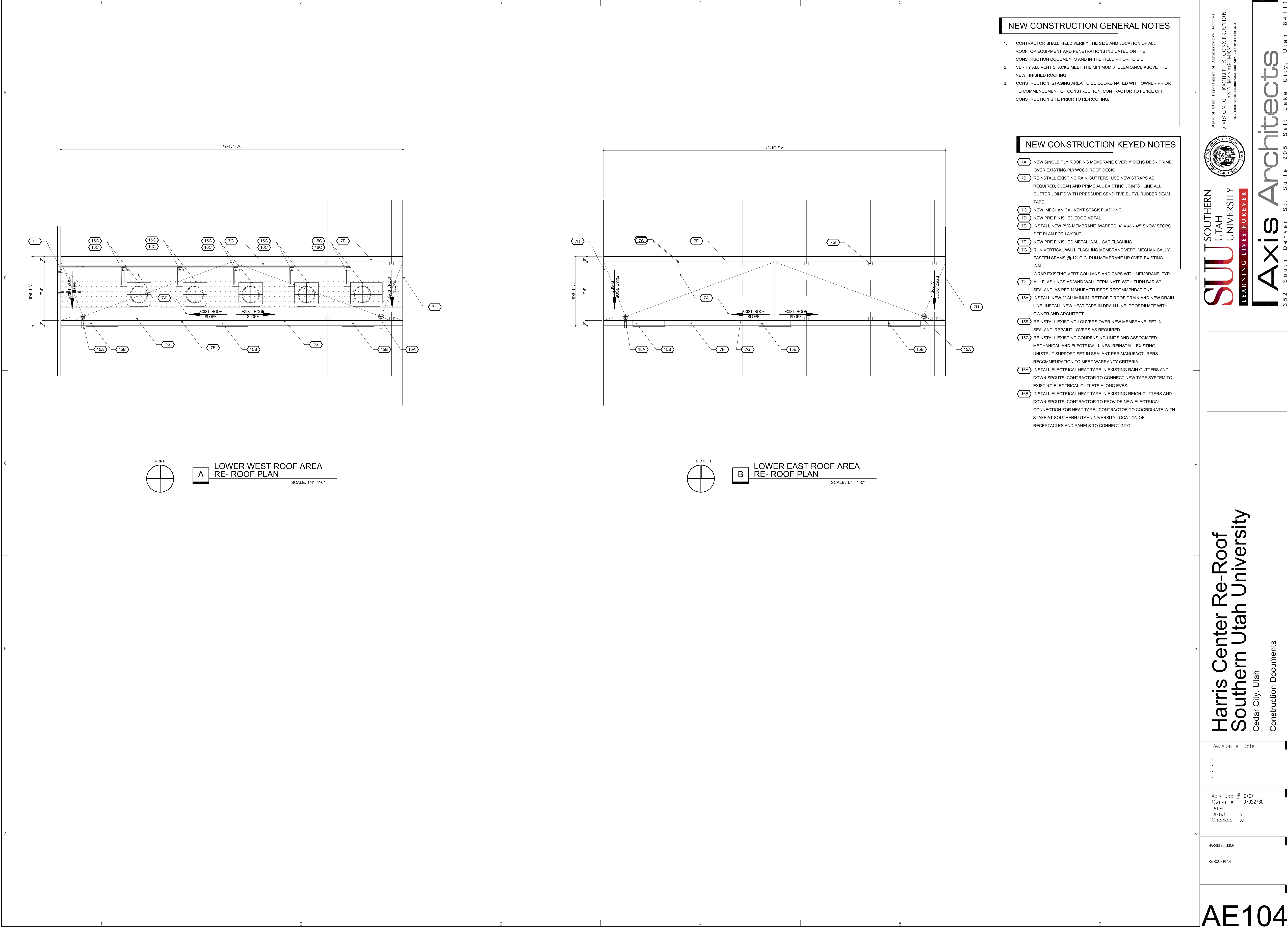
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| Axis Job # | 0707 |
| Owner # | 07022730 |
| Date | |
| Drawn | SF |
| Checked | AT |

| |
|-----------------|
| HARRIS BUILDING |
| RE-ROOF PLAN |